

What is claimed is:

1. A method for restoring battery data in a portable appliance,
comprising the steps of:

receiving reference battery data internally set in a battery
5 and adapted to manage the battery, and storing the received reference
battery data as backup data;

comparing battery data periodically measured for the battery
with the stored reference battery data; and

10 updating the reference battery data set in the battery by the
stored reference battery data when it is determined in accordance
with the comparison that the measured battery data is damaged.

2. The battery data restoring method according to claim 1, further
comprising the step of:

15 after the update of the reference battery data, performing a
calibration process for re-setting the battery reference data in
accordance with a current capacity of the battery.

3. The battery data restoring method according to claim 1, wherein
20 the reference battery data comprises temperature-based reference
voltage, current and capacity data of the battery.

4. The battery data restoring method according to claim 1, wherein
the measured battery data comprises at least one of temperature,
25 voltage and current data.